

CLASSIFICATION SECRET

25X1

CENTRAL INTELLIGENCE AGENCY

REPORT NO.

INFORMATION REPORT

CD NO.

COUNTRY East Germany

DATE DISTR. 26 June 1953

SUBJECT Ultrasonic Department of the Central
Institute for Radio Technique

NO. OF PAGES 2

PLACE
ACQUIRED NO. OF ENCLS.
(LISTED BELOW)

25X1

DATE OF
INFO.SUPPLEMENT TO
REPORT NO.

THIS IS UNEVALUATED INFORMATION

25X1

25X1

1. Mueller-Preussker (fnu), administrative director of the Central Institute for Radio Technique in Berlin-Adlorsdorf, began to draw up plans for the Institute covering the following points: 1/

Personnel
Material
Investments
Distribution of office and laboratory space

Recruiting of personnel is still going on.

2. It has meanwhile been decided that the ultrasonic department of the Institute will be located in Gruenau. A building which formerly belonged to Funkwerk Gruenau has been made available for the department. In addition, two large barracks are under construction on the terrain of the former Detzow brewery 2/ 3/
3. The ultrasonic department has been placed under the direction of Dr. Rudolf Kaiser of the Transmitter Development Section of Funkwerk Koepenick. Kaiser, a winner of the National Prize, was responsible for ultrasonic development at Funkwerk Koepenick. He will continue to act in the capacity of scientific advisor to the Funkwerk after his transfer to Gruenau. The transfer will be made as soon as construction work in Gruenau is completed. Kaiser will move to Gruenau with eleven Funkwerk technicians; about thirty more technicians and scientists will be hired during 1953 to work in Gruenau.
4. Latzke (fnu), head of HV Funkwesen (Main Administration for Wireless Communications) in the Ministry for Post and Telecommunications, ordered that the funds for ultrasonic development, material and orders allotted to Funkwerk Koepenick in 1953 be transferred to the Gruenau ultrasonic department under Kaiser's responsibility. It is obvious that Latzke attaches a great deal of importance to the future work of the department. He approved the acquisition of the following equipment for the department: two river (lake) vessels - a pontoon vessel and a boat, each of them provided with an out-board motor and two main power units (each consisting of a gasoline motor and an A.C. generator of 750 VA, 220 V); a cochmeter device for oral communications ship-land or across-water

CLASSIFICATION SECRET

25X1

SECRET

- 2 -

communications land-land; a complete laboratory for the testing of materials by non-ultrasonic methods (X-rays, gamma rays, magnetic procedure, etching procedure, polarization microscopy.)

5. Matzke also approved of the division of the ultrasonic department into the following sections:

- a. Ultrasonic generators and oscillators
- b. Ultrasonic measurement
- c. Ultrasonic power technique (Leistungstechnik for industrial purposes)
- d. Ultrasonic underwater technology (direction finding, position finding, sounding, taking of bearings, underwater telephony and telegraphy)
- e. Ultrasonic material testing without destruction of material (Zerstörungsfrei)
- f. Ultrasonic medicine and biology
- g. Visual ultra-sound technology (transformation of ultrasonic into visible pictures)
- h. Development of electronic and cybernetic devices for ultrasonic research

Among the enumerated sections, Matzke stressed those dealing with ultrasonic underwater technology and material testing as the most important ones and requested that particular emphasis be placed on them.

6. The barracks now under construction at Gruenau are planned to serve for not longer than one year. After that time the department is to move into a permanent building.

- 1/ [] Comment. For further information on the Institute [] 25X1
- 2/ [] Comment. The ultrasonic department will be located in one of the barracks. The same barracks will house the laboratory of Dr. (fnu) Deutschmann who will carry out decimeter wave research. The other barracks is reserved for low-frequency research under Dr. von Bruck (fnu). 25X1
- The other departments of the Institute will remain in Berlin-Adlershof.

SECRET

- 2 -